

Figure 1A

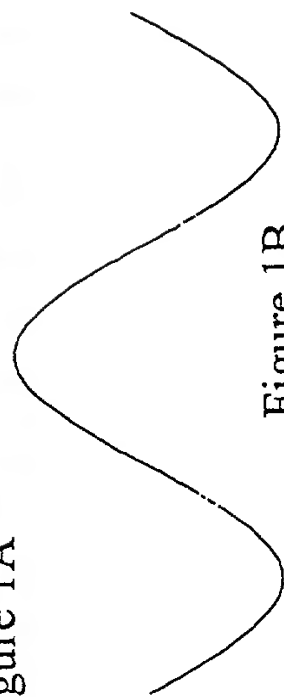


Figure 1B

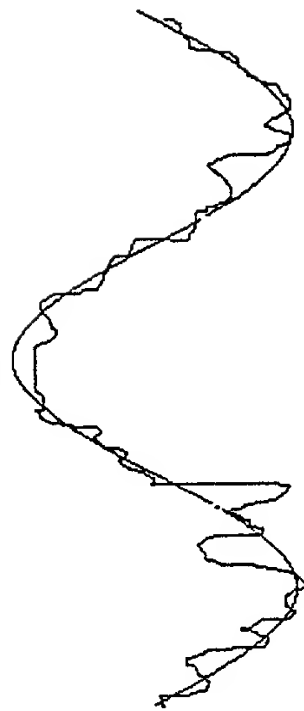


Figure 1C



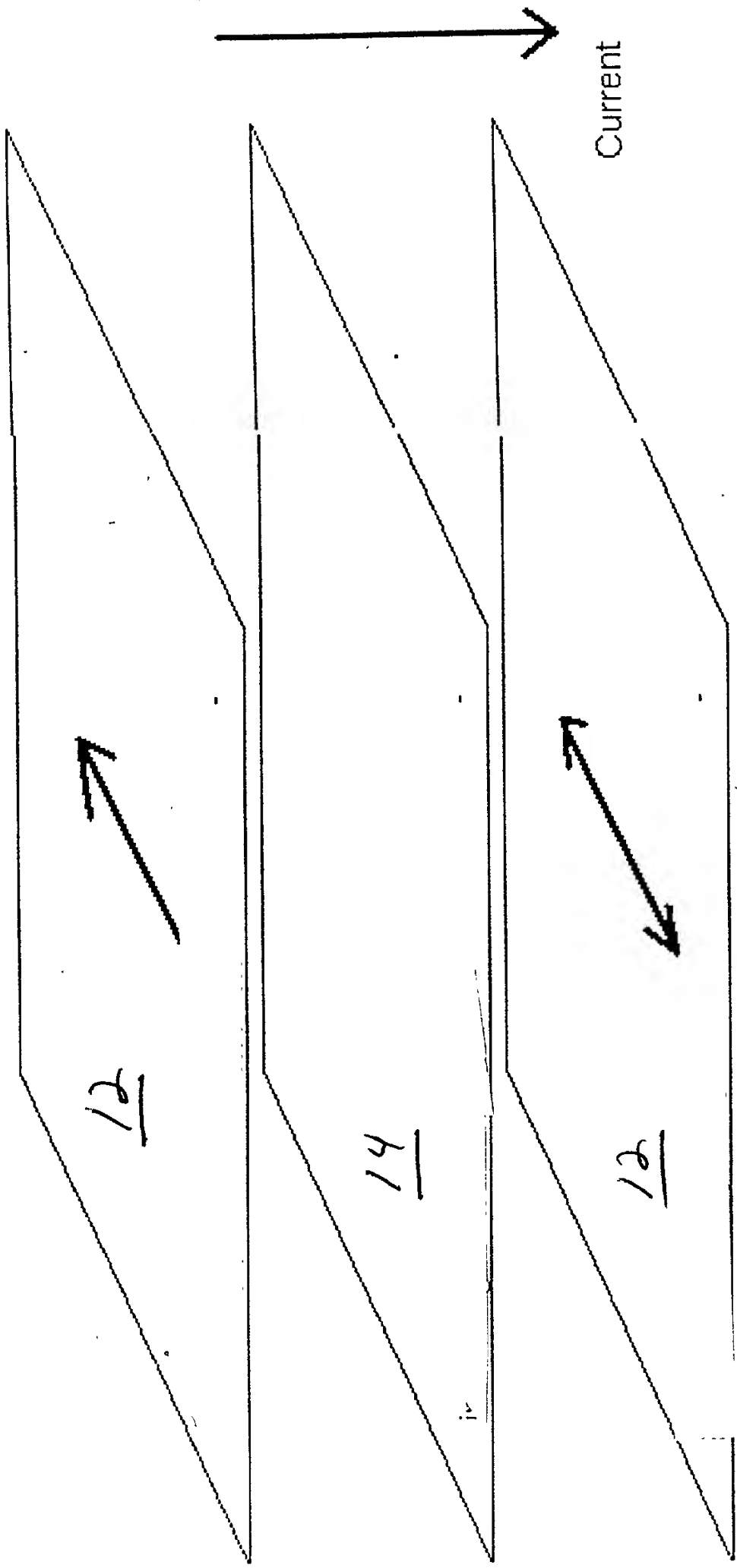


Fig 2

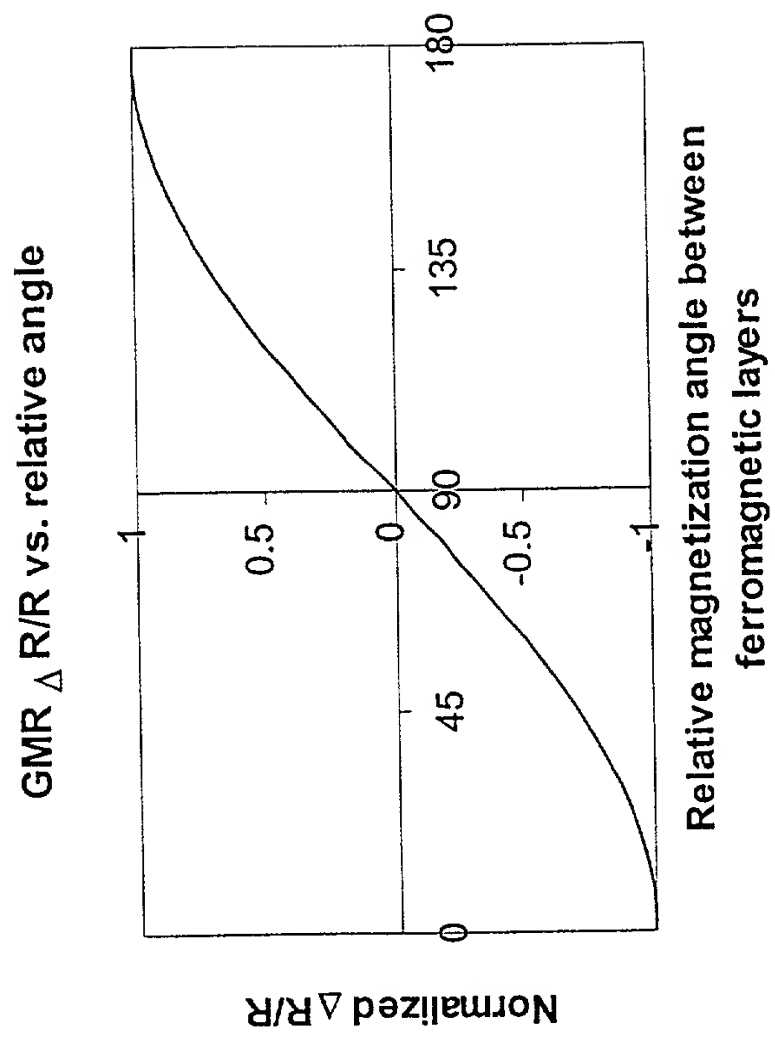


Figure 3

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capping layer	460
antiferromagnet layer	450
ferromagnet layer	440-5
ferromagnet layer	440-4
spacer	440-3
ferromagnet layer	440-2
ferromagnet layer	440-1
barrier layer	430
ferromagnet layer	420-5
ferromagnet layer	420-4
spacer	420-3
ferromagnet layer	420-2
ferromagnet layer	420-1
underlayer	

Fig 4

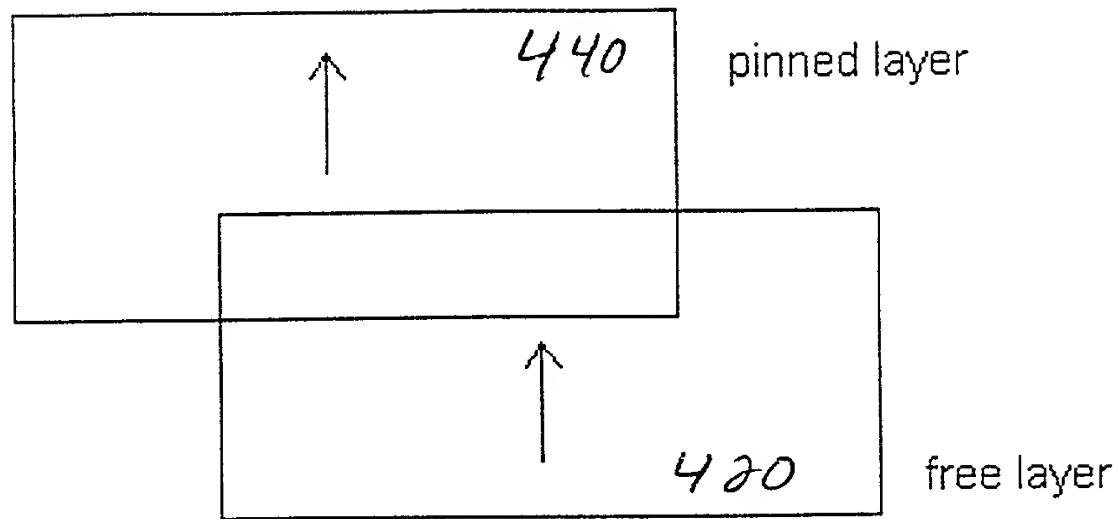


Fig. 5A

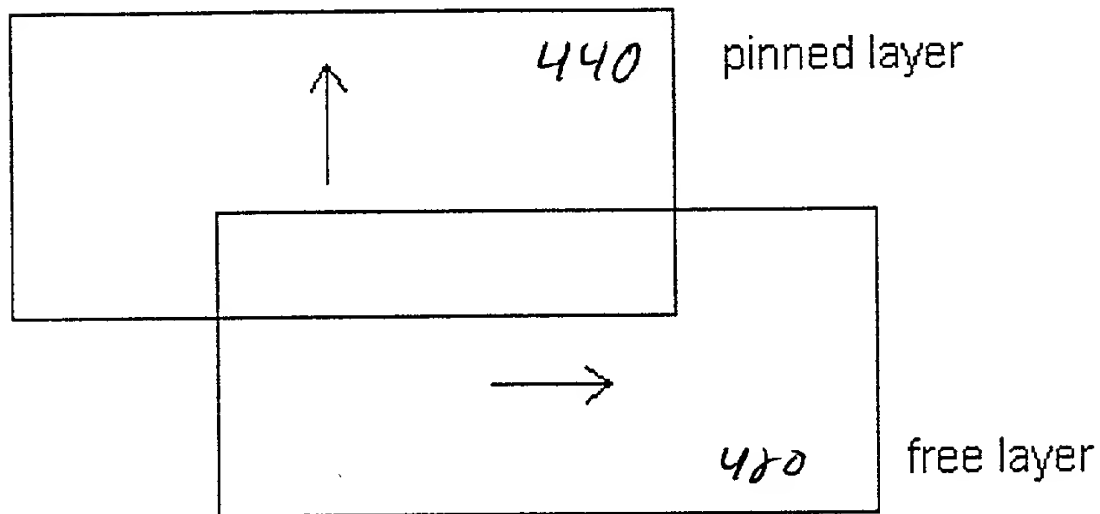


Fig. 5B

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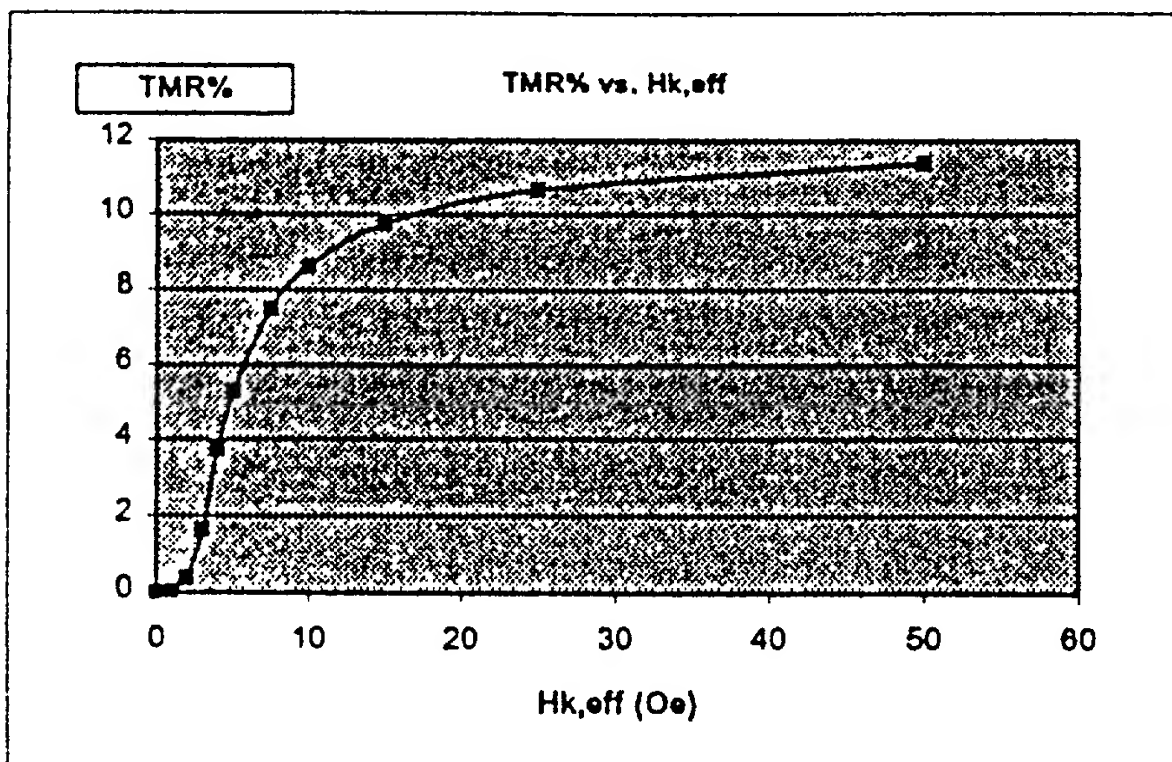


fig 6

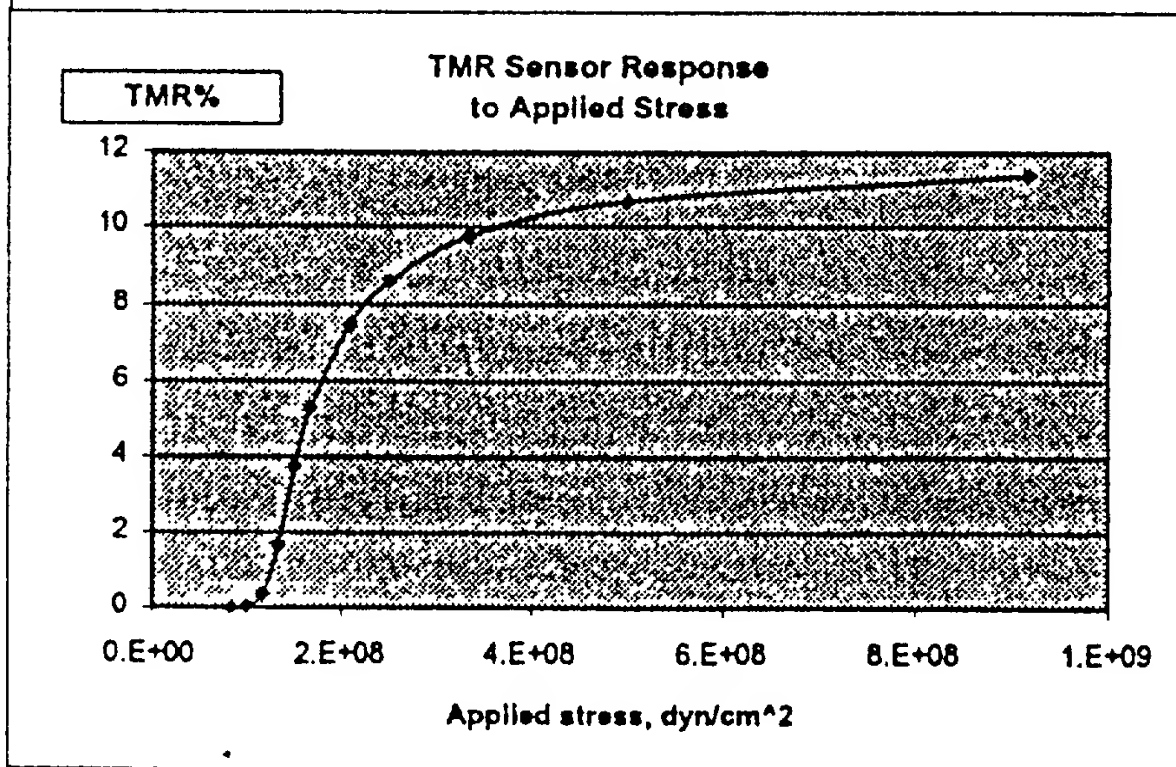


fig 7

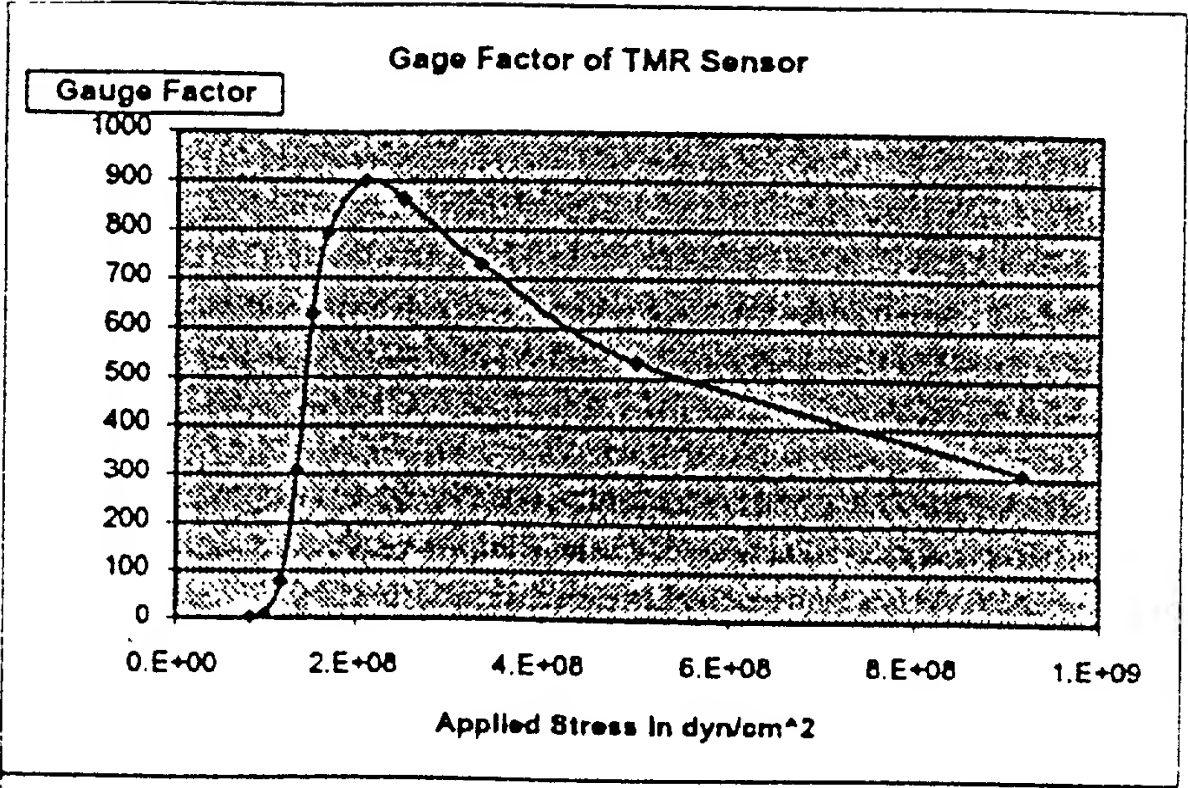


fig 8

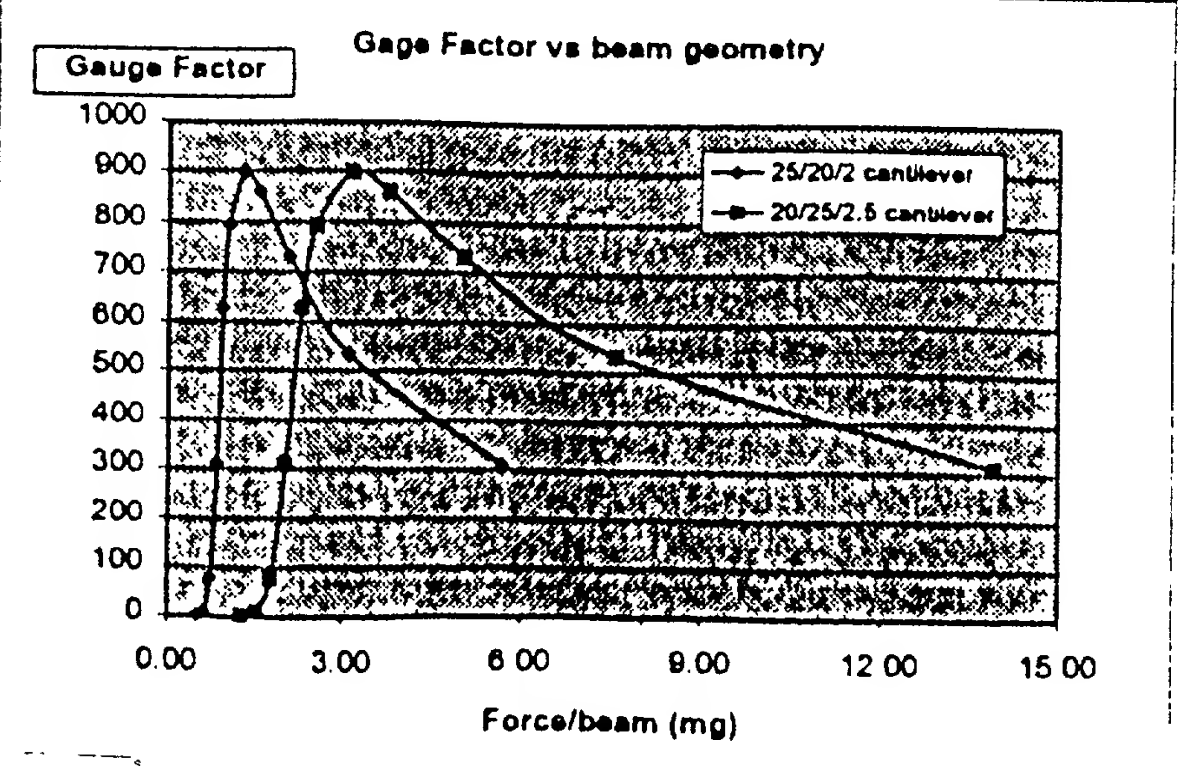
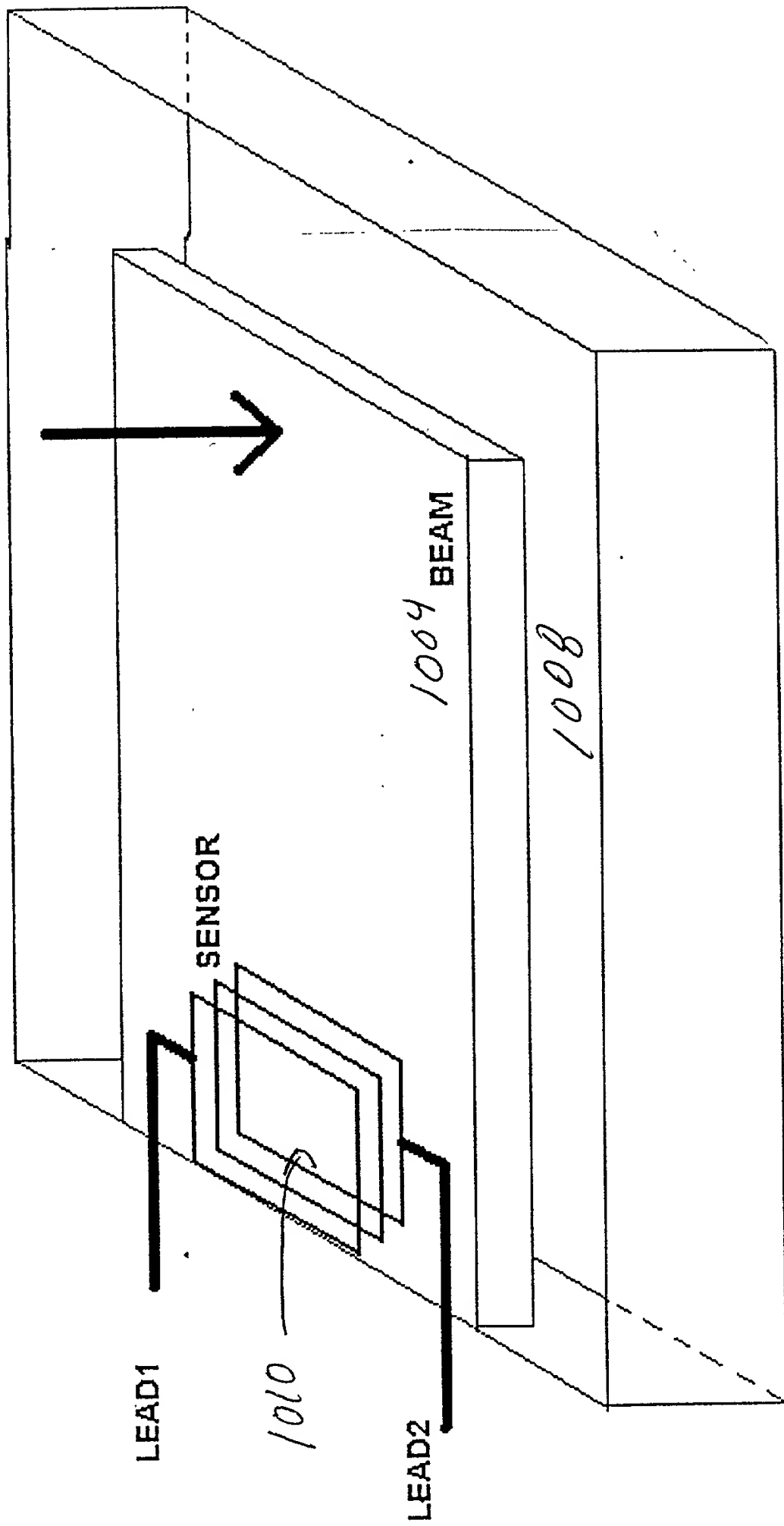


fig 9

It is to be understood that the present invention is not limited to the specific details shown and described herein, but may be embodied in other forms without departing from the spirit and scope of the invention.

APPLIED FORCE



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Fig 10

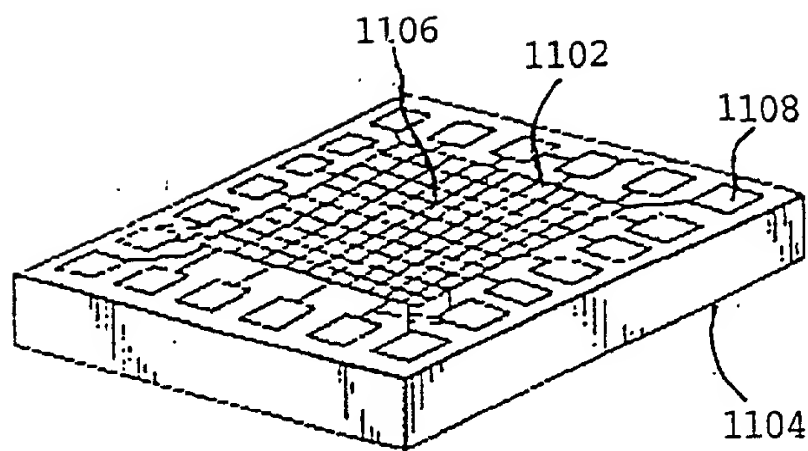


FIGURE 11

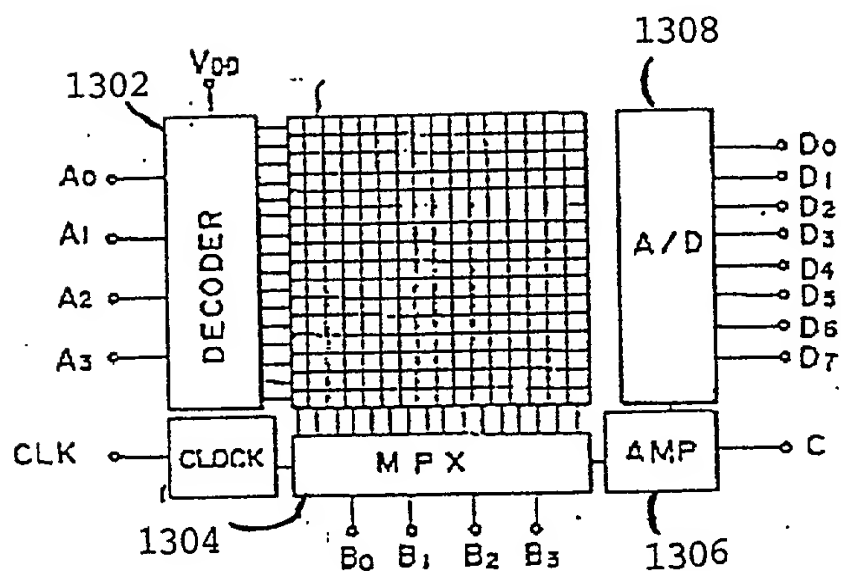


FIGURE 13

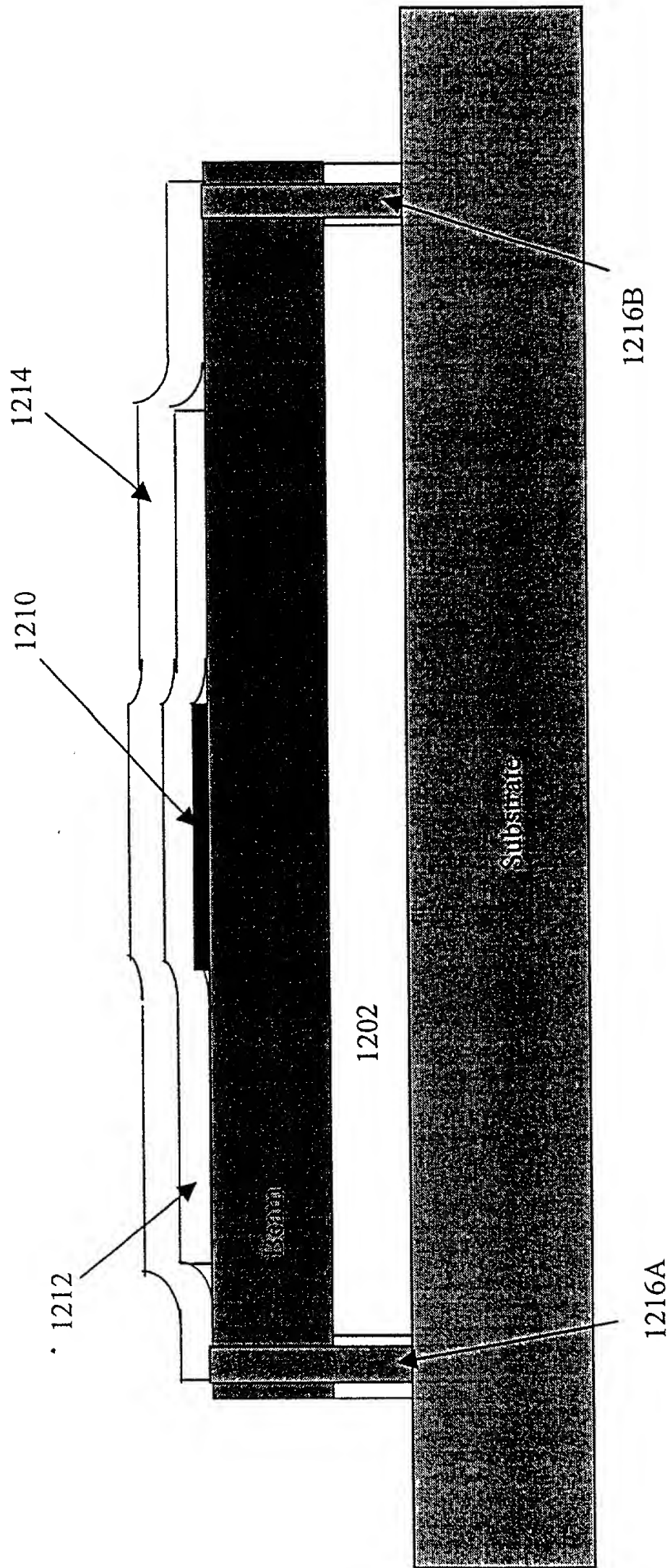


Figure 12

Fig. 14A

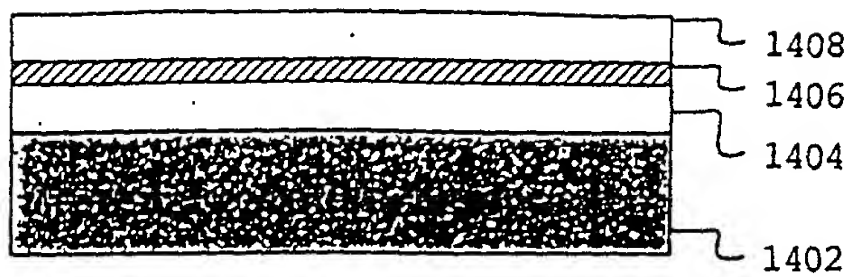


Fig. 14B

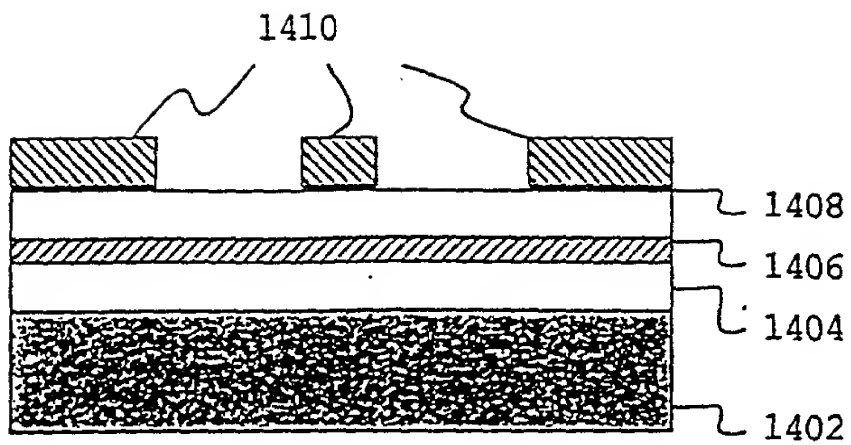


Fig. 14C

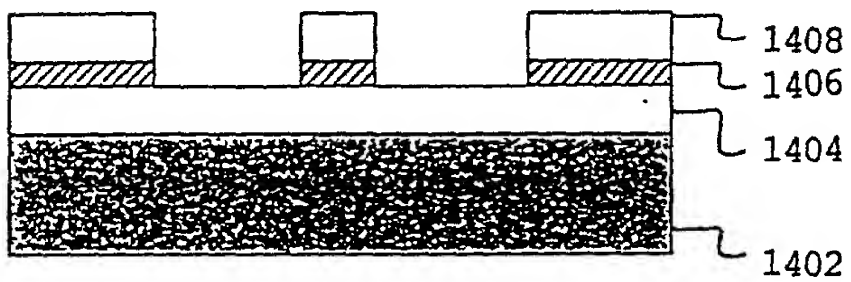


Fig. 14D

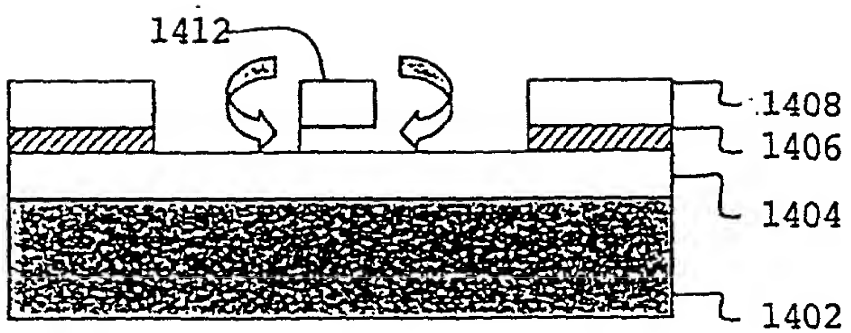


Fig. 14E

